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HALEY & ALDRICH

BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

TECHNICAL MEMORANDUM

BUILDING 1/36 AND BUILDING 2 SOIL VAPOR EXTRACTION SYSTEM ELECTRICAL SAFETY INSPECTION

To: **Mr. Brian Mossman**
Boeing Realty Corporation
3855 Lakewood Boulevard
Building 1A MC D001-0097
Long Beach, California 90846

From: **Haley & Aldrich, Inc.**

Date: **February 8, 2002**

Re: **Building 1/36 and Building 2 Soil Vapor Extraction System Electrical Safety Inspection**
Boeing Realty Corporation, Former C-6 Facility, Los Angeles, California

Haley & Aldrich, Inc. is herein providing this technical memorandum to summarize the inspection of the Building 1/36 and Building 2 soil vapor extraction (SVE) electrical systems, located on Parcel C of the Boeing Realty Corporation's (BRC's) Former C-6 Facility (subject site) in Los Angeles, California.

INTRODUCTION

Trilek Electric, Inc. (Trilek), a State-licensed electrical contractor, to conducted a safety inspection of the electrical panels, junction boxes, and disconnects associated with the two SVE systems operating at the Site.

FIELD ACTIVITIES

On January 30, 2002, Mr. Ramon Plascencia of Trilek inspected wire sizes, fuse ratings, disconnect conditions, and electrical termination points for correct size, installation, and tightness. Trilek provided an Inspection Report, which is attached.

INVESTIGATION RESULTS AND RECOMMENDATIONS

Based on their observations, Trilek's recommendations for the Building 1/36 SVE system (rented pilot test system) include:

- Replace existing 100 amp fuses at pole-mounted main disconnect with 60 amp fuses to match fuse ratings at equipment panel.
- Apply silicone or bolts and nuts to fill existing mounting holes on main disconnect to help prevent dust accumulation inside disconnect.
- Repair and or replace as needed loose conduit and extra non-energized conductors in motor enclosure.

- Install ground bar and rod in existing temporary pole-mounted disconnect.
- Check oil in gearbox and bearings.

Trilek's recommendations for the Building 2 SVE system include:

- Apply silicone or bolts and nuts to fill existing mounting holes on main disconnect to help prevent dust accumulation inside disconnect.
- Check oil in gearbox and bearings.

CONCLUSIONS

Trilek identified no immediately dangerous or hazardous conditions regarding the SVE electrical systems at the subject site. Haley & Aldrich or the appropriate subcontractors implemented Trilek's recommendations during the period of January 30 through February 7, 2002.

Sincerely yours,
HALEY & ALDRICH, INC.

Richard M. Farson, PE
Project Engineer

Scott Zachary
Project Manager

Attachments:

Appendix A – Trilek Electrical Inspection Report

Appendix A

APPENDIX A

TRILEK ELECTRICAL INSPECTION REPORT

TRILEK ELECTRIC INC.
9710 WASHBURN ROAD
DOWNEY, CA 90241
562-803-6177 / FAX 6477

INSPECTION REPORT

January 30, 2002

SCOPE OF WORK: Physically and visually inspect wire sizes, fuses, disconnects and termination points for tightness. The following observations and recommendations are made.

BUILDING #1:

_. Recheck and tighten main power conductors from main disconnect mounted on pole to the motor.
_. Recheck and tighten control wire terminations in control cabinet.
_. Overload protection set at 33 amps with manual reset.
_. Time delay 100 amp fuses at main disconnect mounted on pole with #6 wire.
_. Time delay 60 amp fuses in main control panel is good as manufacturer nameplate indicates.

RECOMMENDATIONS:

_. Replace existing 100 amp fuses at main disconnect mounted on pole to 60 amp.
_. Apply silicone or bolt and nuts on existing mounting holes located on main disconnect mounted on pole. This will help prevent dust accumulation inside disconnect which can cause weak conductivity.
_. Repair and or replace as needed loose conduit and wires in motor enclosure mounted on portable skid.
_. Install ground bar and rod in existing temporary pole mounted disconnect. Existing ground was loose and attached to a wing nut. We used a wing nut to temporarily connect and bond the grounds.
_. Need to have oil checked in gear box and any bearings.

TRILEK ELECTRIC INC.
9710 WASHBURN ROAD
DOWNEY, CA 90241
562-803-6177 / FAX 6477

INSPECTION REPORT

January 30, 2002

SCOPE OF WORK: Physically and visually inspect wire sizes, fuses, disconnects and termination points for tightness. The following observations and recommendations are made.

BUILDING #2:

_. Recheck and tighten main power conductors from main disconnect mounted on pole to the motor.
_. Recheck and tighten control wire terminations in control cabinet.
_. Overload protection set at 57 amps with manual reset.
_. Time delay 100 amp fuses at main disconnect with #2 wire is good.
_. Existing 6 x 6 low voltage j-box is good.

RECOMMENDATIONS:

_. Apply silicone or nut and bolt on existing mounting holes located on main disconnect mounted on pole. This will help prevent dust accumulation inside disconnect which can cause weak conductivity.
_. Need to have oil checked in gear box and any bearings.